

CLAIMS:

1. Relay set (1, 11, 23) for the optical system of a rigid endoscope, said optical system comprising an objective (20) at the distal end, an ocular (22) at the proximal end and between them a relay lens system consisting of several relay sets (1, 11, 21, 23), said relay set (1, 11, 23) consisting of two half sets (2a, 2b) having the same lens units (3a1, 3a2, 3a3, 3a4; 3b1, 3b2, 3b3, 3b4) arranged in symmetrical sequence with respect to the center (5) of the set, **characterised in that** each half set (2a, 2b) consists of four lens units (3a1, 3a2, 3a3, 3a4; 3b1, 3b2, 3b3, 3b4) having in the sequence of raising distance from the center (5) the refracting powers Positive, Negative, Positive, Positive (P,N,P,P).
2. Relay set according to claim 1, **characterised in that** the pairs (3a1-3b1, 3a2-3b2, 3a3-3b3, 3a4-3b4) of corresponding lens units of the half sets (2a, 2b) are arranged at symmetrical distances from the center (5).
3. Relay set according to claim 1, **characterised in that** the outermost lens units (14a, 14b) of the half sets (2a, 2b) are arranged at asymmetrical distances from the center (5).
4. Relay set according to claim 1, **characterised in that** in the gap between the half sets (2a, 2b) a glass rod (7) with parallel end faces is placed.